#### EXHIBIT 1

### The Moiré Reducing Limitations Relied Upon by Honeywell to Obtain Allowance of the '371 Patent Claims

### CLAIM 1 OF THE '371 PATENT

### CLAIM 3 OF THE '371 PATENT

display apparatus comprising:

a light source;

a liquid crystal panel mounted adjacent to said light source for receiving light from said light source; and

and wherein the number of rows of pixels per unit first value; the number of lenslets per unit height, first and second lens arrays, each having a plurality or pitch, of said first lens array is a second value plurality of pixels arranged in rows and columns, of individual lenslets, disposed between said light height, or pitch, of the liquid crystal panel is a said second lens array is a third value which is source and said liquid crystal panel for providing number of lenslets per unit height, or pitch, of ight transmission from said light source through a predetermined variation with viewing angle of wherein said liquid crystal panel comprises a said lens arrays and said liquid crystal panel, which is less than said first value; and the greater than said first value.

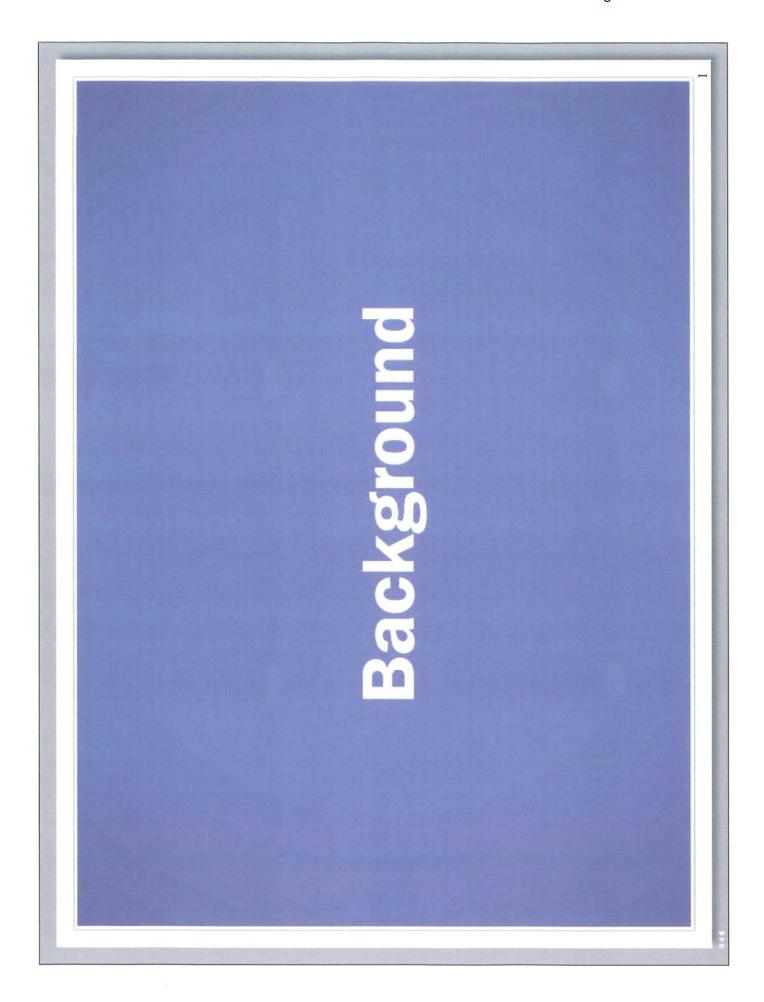
A display apparatus comprising:

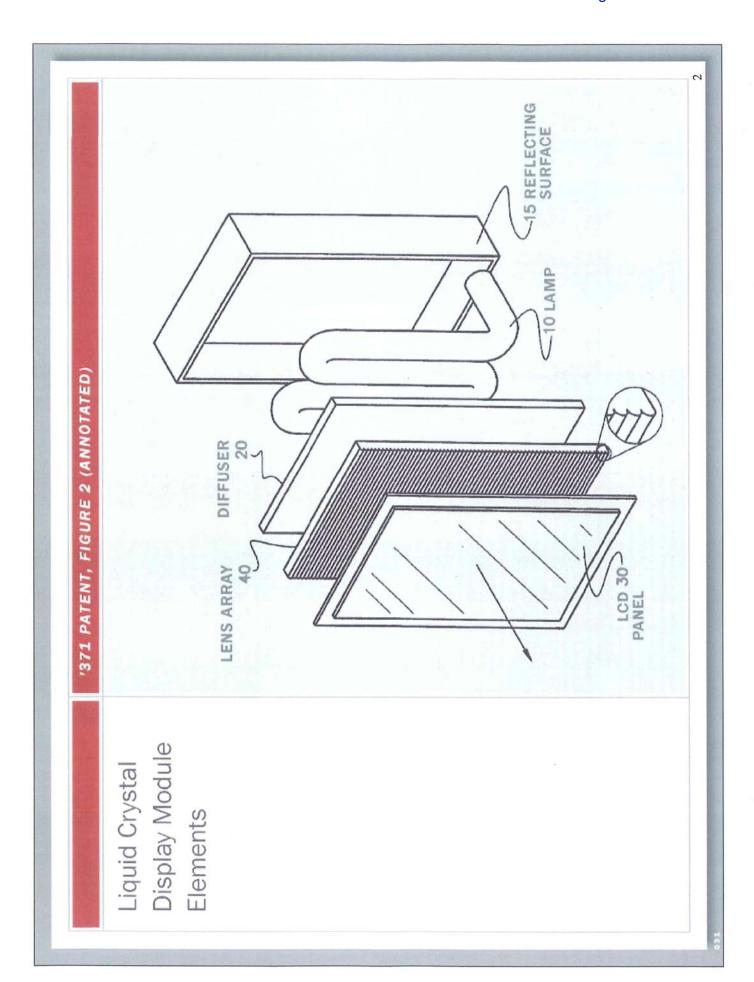
a light source;

a liquid crystal panel mounted adjacent to said light source; and light source; and

first and second lens arrays, each having a plurality of individual lenslets, disposed between said light source and said liquid crystal panel for providing a predetermined variation with viewing angle of light transmission from said light source through said lens arrays and said liquid crystal panel, wherein at least one of said first and second lens arrays is rotated about an axis perpendicular to said liquid crystal panel in order to provide a slight misalignment between said lenslets and said liquid crystal panel.

#### EXHIBIT 2





Honeywell's '371 Patent Was NOT Important



Honeywell's Answers dated April 12, 2007 to Samsung – SDI's 2nd set of Interrogatories in Gasser Opp. Decl. in Support of Def. Opp. Claim Construction Brief, Ex. 8

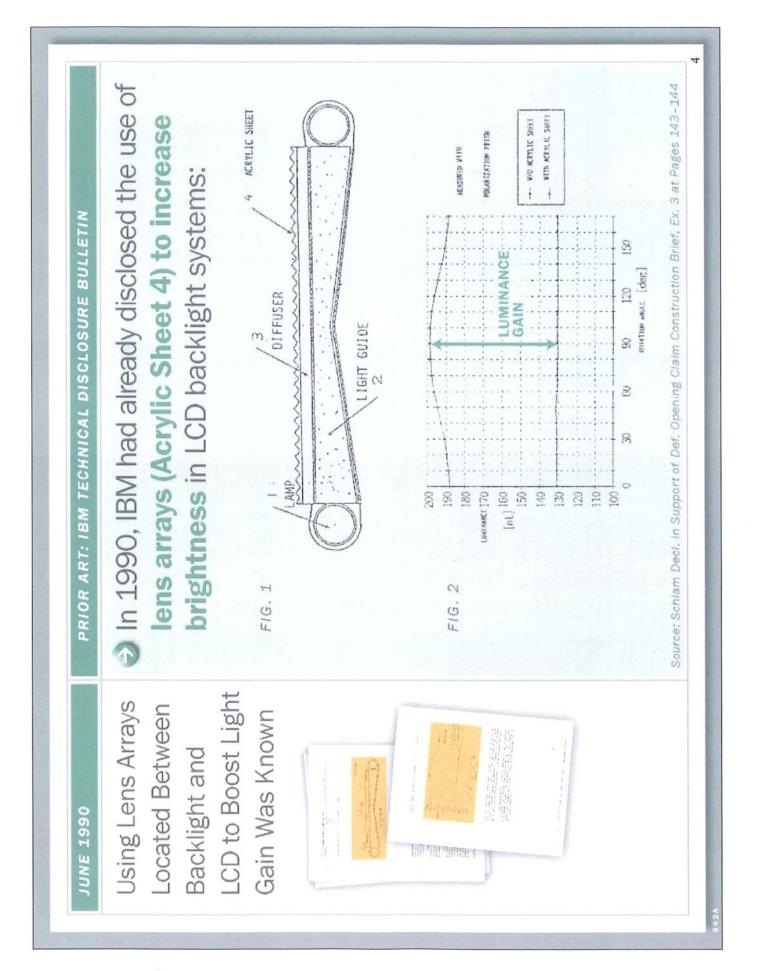
Deposition Testimony of Richard McCartney, March 15, 2007 at Pages 345:10-348:2 in Tab A Boeing 777 project, the origin of Honeywell's Soeing rejected the technology in the work regarding the '371 patent.

Honeywell admits it allowed the patent to "lay dormant" for 10 years.

Deposition Testimony of David Brafman, Dec. 21, 2006 at Page 62 in Gasser Opp. Decl. in Support of Def. Opp. Claim Construction Brief, Ex. 14

backlighting technology in 1993–1997
do not mention Honeywell, the '371 patent,
or the Japan Display '92 article.

Gasser Opp. Decl. In Support of Def. Opp. Claim Construction Brief, Exs. 10-13



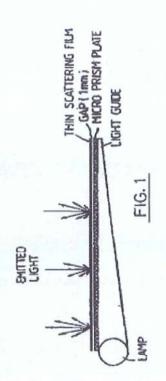
# PRIOR ART: IBM TECHNICAL DISCLOSURE BULLETIN

FEBRUARY 1991

**CD** to Boost Light **Jsing Lens Arrays** Located Between Gain Was Known Backlight and

In 1991, IBM had already disclosed the use of lens arrays (micro prism plate):

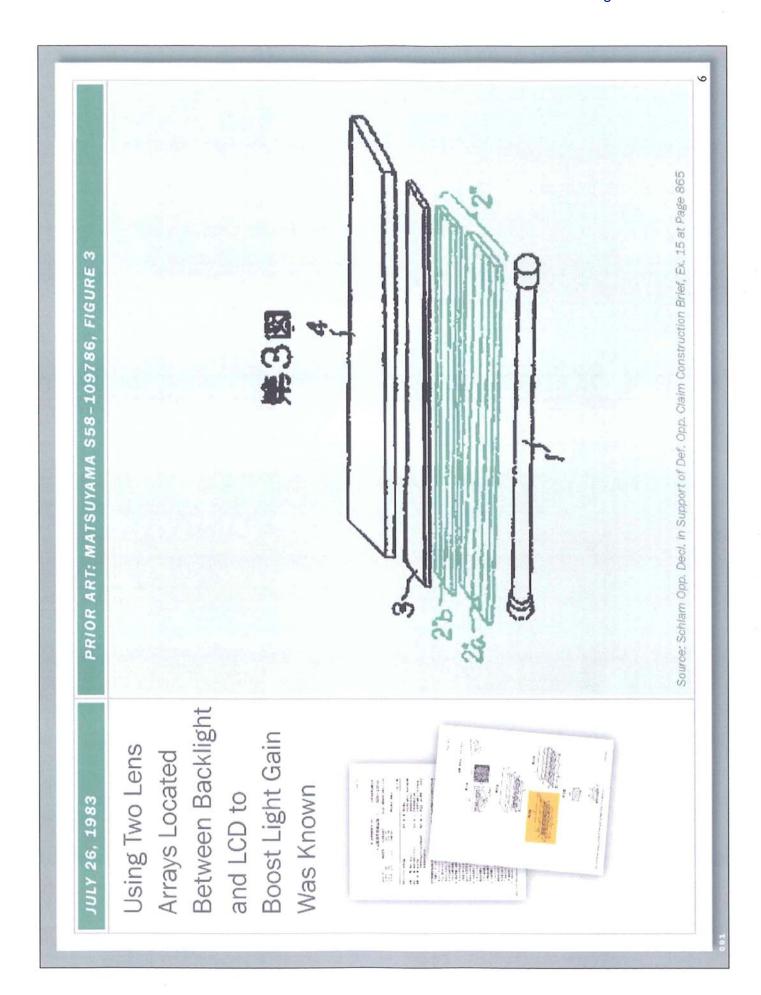
- To increase brightness within the LCD panel
- To achieve low power consumption in portable LCD modules.



system has strong intensity distribution to the normal "With this technique, emitted light from the back light direction to the back light surface as shown in Fig. 4.

area.... Therefore, the technique disclosed herein is a very effective means to achieve a low power consumption Liquid crystal display's application is mostly portable LCD module."

Source: Gasser Decl. in Support of Def. Opening Claim Construction Brief, Ex. 2 at Page 262



BEF

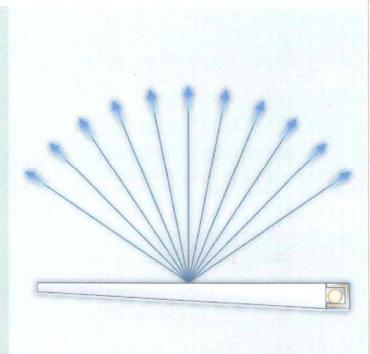
## Brightness Enhancement Film (BEF)

### Backlight WITHOUT Brightness Enhancement Film (BEF)

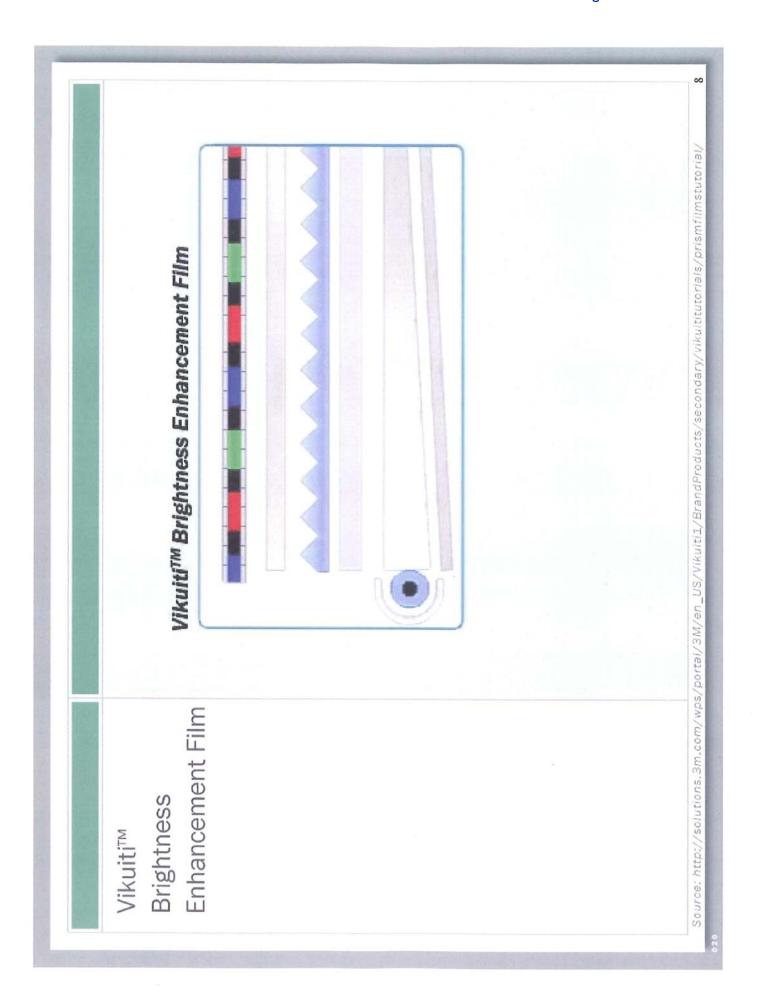
 Light exits LCD at angles outside the typical viewing range, much of it going to waste.

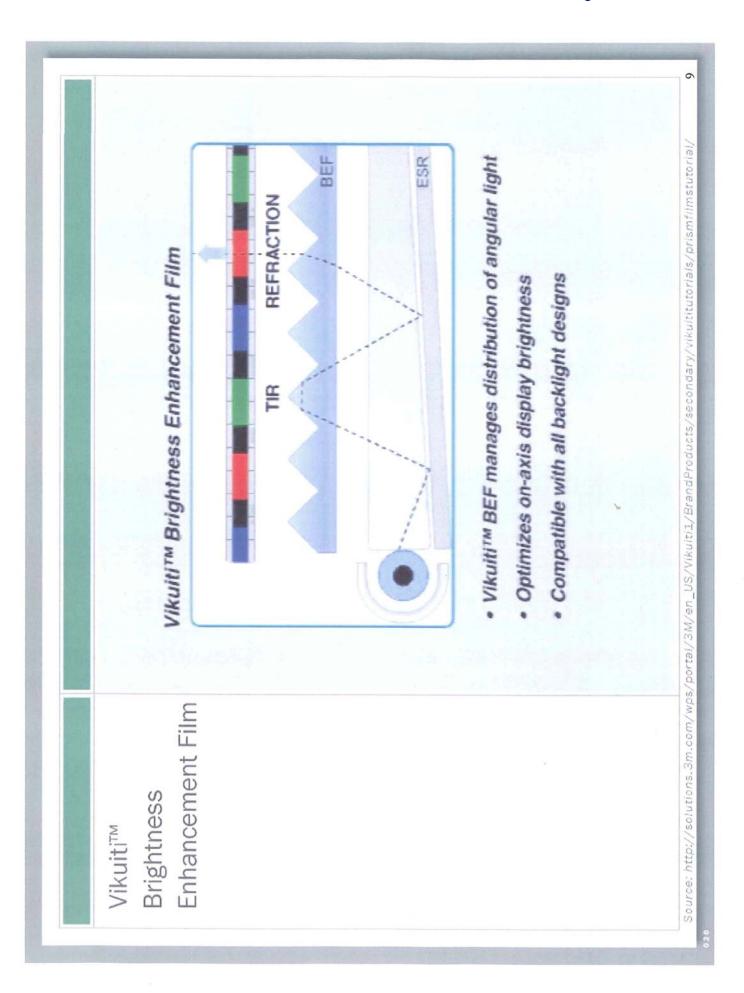
### Backlight WITH Brightness Enhancement Film (BEF)

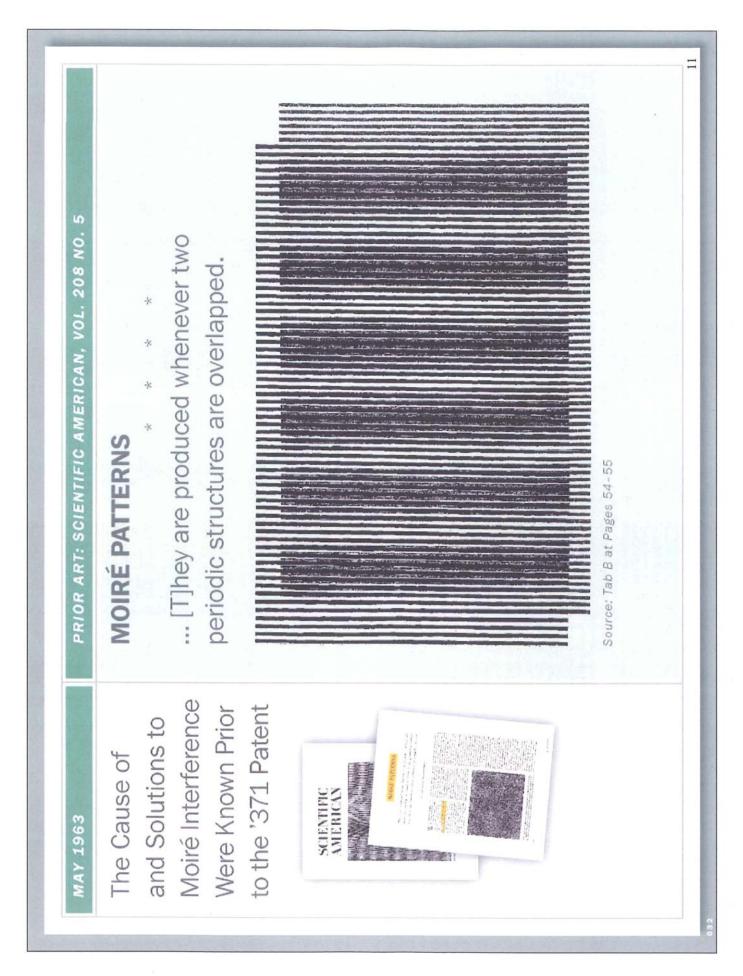
 Light is focused within the typical viewing range, thus appearing brighter.



Source: http://solutions.3m.com/wps/portal/3M/en\_US/Vikuiti1/BrandProducts/secondary/optics101/?slideIndex=51







ALIGHT GUDE

FIG.

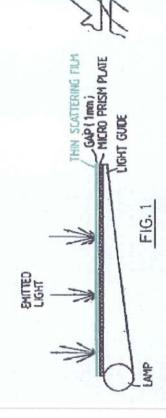
- GAP

# PRIOR ART: IBM TECHNICAL DISCLOSURE BULLETIN

FEBRUARY 1991

Moiré and a
Solution Were
Known Where
Lens Arrays
Boosted Gain

The use of lens arrays would create nterference patterns within the In 1991, IBM had already disclosed: LCD panel.  The use of a diffuser could break up the interference pattern.



"The light scattering film is employed to eliminate interference pattern of the micro-prism-plate and LCD's pixe arrangement pattern..."

Source: Gasser Decl. in Support of Def. Opening Claim Construction Brief, Ex. 2 at Page 261

12

4 2 B

atop the other, which he must do in

PRIOR ART: SCIENTIFIC AMERICAN, VOL. 208 NO. 5

It is not surprising that moiré patterns whenever he is obliged to print two or more halftone impressions one sometimes plague the printer to Moiré in Color Known Solution Rotation Was a Printing and -ithography MAY 1963

engraver's plates must be carefully positioned so that the dot patterns making multicolored reproductions. intersect at about 30 degrees. To avoid moiré patterns the

The representation between processing the second

### PRIOR ART: COHEN U.S. PATENT 4,575,767

#### ABSTRACT

Known Solution

**CRT Displays** 

to Moiré in

Rotation Was a

MARCH 11, 1986

mask CRT (47), filter sheets (43,45) containing the light absorbing planes are rotated so that In order to reduce moire patterns which would result from varying coincidences of the planes with patterns of phosphor dots on the shadow is misaligned with a set of closely-adjacent at least one set of light absorbing planes phosphor dots by approximately 15°.



is i

Source: Tab C

PRIOR ART: COOPER U.S. PATENT 3,580,661

displacement (in opposite directions) of the two generally vertical cylindrical patterns can be further decreased It has been experienced that the occurrence of observable moire by providing a slight rotational

Moiré in Projection

Screen Displays

Known Solution to

Rotation Was a

MAY 25, 1971

Fresnel lenses 30, 44.

15

# PRIOR ART: KAWASAKI PUBLISHED PATENT APPLICATION H2-212880

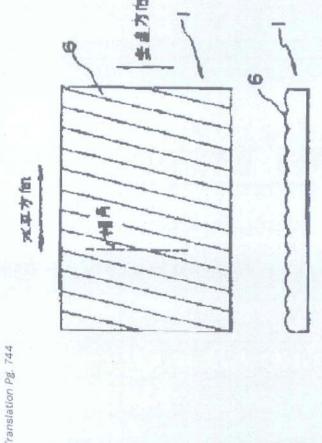
AUGUST 24, 1990

Rotation Was a
Known Solution to
Moiré in Projection
Screen Displays

The inventors have...found that when the lenticular lens high-performance transmission type display device of the transmission type screen is arranged at a specific inclination, it is possible to provide a without generating Moire fringes....

inclination of 5 to 45° in the perpendicular direction.... transmission type screen has a lenticular lens with an That is, the present invention provides...that the

11



Source: Tab E

b.

Pitch Change Was a Known Solution to Moiré in Liquid Crystal Projection TV Displays

#### 1989

## PRIOR ART: NODA ARTICLE IN JAPAN DISPLAY '89

projected image and the parallel line structure "interference between the dot pattern of the Noda et al. recognized moiré can arise due to of the lenticular plate" and teaches ratios of 1.5, 2.5, 3.5 and 4.5.

Source: Tab F at Page 257; Figure 5

### JANUARY 18, 1994

ALTERNATION OF THE PERSON OF T

### '371 PATENT, COL. 4:68-COL. 5:5



frequency should be approximately the fine array frequency becomes approximately 2.5 times the frequency divided by 3.5, 4.5, 5.5 or as required display spatial frequency and the coarse array "According to these guidelines the fine array for the most convenient fabrication."

